

**Agenda**  
**Northeast Regional Operational Workshop**  
**Albany, New York**  
**Tuesday, November 2, 2004**

8:00 am

**Welcoming remarks**

Eugene P. Auciello, Meteorologist In Charge, NOAA/NWS Albany, New York  
Warren R. Snyder, Science & Operations Officer, NOAA/NWS Albany, New York

**Session A. Modeling**

**Session Chair - Thomas A. Wasula**

8:10 am

**Remarks by Session Chair**

8:15 am

**An Update on the Stony Brook University Ensemble Forecast System**

Brian A. Colle

Institute for Terrestrial and Planetary Atmospheres

Stony Brook University, State University of New York, Stony Brook, New York

8:40 am

**Utilization of the Stony Brook University Mesoscale Ensemble System at WFO's and RFC's**

Jeffrey S. Tongue

NOAA/NWS, Weather Forecast Office, Upton, New York

9:05 am

**Verification of the Stony Brook Ensemble Forecast System**

Matthew Jones

Institute for Terrestrial and Planetary Atmospheres,

Stony Brook University, State University of New York,

Stony Brook, New York

9:30 am

**High-Resolution Simulations of the 25 December 2002 Banded Snowstorm using Eta, MM5, and WRF**

David R. Novak

NOAA/NWS Eastern Region Headquarters, Bohemia, New York

9:55 am

**Break**

10:20 am

**Systematic and Random Errors in Operational Forecasts by the UK Met Office Global Model**

Tim Hewson

UK Met Office, Exeter, England

10:45 am

**The Good, the Bad, and the Ugly: Numerical Prediction for Hurricane Juan (2003)**

Ron McTaggart-Cowan and Lance F. Bosart

Department of Earth and Atmospheric Sciences, University at Albany,  
State University of New York, Albany, New York

11:10 am

**Customization of a Mesoscale Numerical Weather Prediction System for Transportation Applications**

Anthony P. Praino

IBM Thomas J. Watson Research Center, Yorktown Heights, New York

11:35 am

**Lunch**

**Session B. Severe Convection/Warm Season**

**Session Chair - George J. Maglaras**

1:00 pm

Remarks by Session Chair

1:05 pm

**The Long-Lived MCV of 11-13 June 2003 during BAMEX**

Thomas J. Galarneau Jr.

Department of Earth and Atmospheric Sciences, University at Albany,  
State University of New York, Albany, New York

1:30 pm

**The Structure and Climatology of Boundary Layer Winds in the Southeast United States and its Relationship to Nocturnal Tornado Episodes**

Alicia C. Wasula

Department of Earth and Atmospheric Sciences, University at Albany,  
State University of New York, Albany, New York

1:55 pm

**A Statistical and Synoptic Climatological Analysis of United States Heat Waves**

Scott C. Runyon

Department of Earth and Atmospheric Sciences, University at Albany,  
State University of New York, Albany, New York

2:20 pm

**Break**

2:45 pm

**Warm Season Climatology of Convective Evolution Over the Coastal Northeast United States**

Michael Charles

Institute for Terrestrial and Planetary Atmospheres, Stony Brook University, State University of New York, Stony Brook, New York

3:10 pm

**The August 9, 2001 Lake Breeze Severe Weather Event Across New York and Western New England**

Thomas A. Wasula

NOAA/NWS, Weather Forecast Office, Albany, New York

**Session C. Operations**

**Session Chair - Warren R. Snyder**

3:35 pm

**Getting Ready for Winter: An NCEP Update**

Louis W. Uccellini

NOAA/National Centers for Environmental Prediction, Camp Springs, Maryland

4:10 pm

**AWIPS Radar and Warning Strategies Using Multiple Workspaces**

Josh Korotky

NOAA/NWS, Weather Forecast Office, Pittsburgh, Pennsylvania

4:35 pm

**Operational Urban Mesonet-Driven Model for Homeland Defense Applications**

Mark C. Beaubien

Yankee Environmental Systems, Turners Falls, Massachusetts

**Session D. Hydrology/Tropical Events**

**Session Chair - Steve DiRienzo**

5:00 pm

**Remarks by Session Chair**

5:05 pm

**Frantic About Frances, 9 September 2004**

Richard H. Grumm

NOAA/NWS, Weather Forecast Office, State College, Pennsylvania

5:30 pm

**An Overview of the Tropical Cyclone-Induced Flooding in Central New York and Northeast Pennsylvania in 2004**

Michael S. Evans

NOAA/NWS, Weather Forecast Office, Binghamton, New York

**Agenda**  
**Northeast Regional Operational Workshop**  
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**Wednesday, November 3, 2004**

**Session D. Hydrology/Tropical Events (continued)**  
**Session Chair - Steve N. DiRienzo**

8:00 am

**28 August 2004 Flash Flood in Addison County Vermont**

Gregory Hanson

NOAA/NWS, Weather Forecast Office, Burlington, Vermont

8:25 am

**Warm Season Extreme Quantitative Precipitation Forecasting for the Burlington, Vermont Region**

Eyad Atallah

NOAA/NWS, Weather Forecast Office, Burlington, Vermont

8:50 am

**The Importance of Real-Time Data During an Operational River Flood Event**

Ron Horwood

NOAA/NWS, Weather Forecast Office, Taunton, Massachusetts

9:15 am

**Break**

**Session E. CSTAR Projects**  
**Session Chair - Kenneth D. LaPenta**

9:30 am

**Cool-Season Regime Transition and Its Impact on Precipitation in the Northeast**

Heather Archambault

Department of Earth and Atmospheric Sciences, University at Albany,  
State University of New York, Albany, New York

9:55 am

**Cyclogenesis and Upper-Level Jet Streaks and their Influence on the Low-Level Jet**

Keith Wagner

Department of Earth and Atmospheric Sciences, University at Albany,  
State University of New York, Albany, New York

10:20 am

**The May 11, 2003 Severe Weather Null Case Across the Northeastern and Mid-Atlantic States**

Michael L. Jurewicz

NOAA/NWS, Weather Forecast Office, Binghamton, New York

10:55 am

**Cool Season 500 hPa Cutoff Cyclones; Precipitation Distribution and a Case Study**

Anthony Fracasso

Department of Earth and Atmospheric Sciences, University at Albany,  
State University of New York, Albany, New York

11:20 am

**Forecasting Eastern United States Winter Storms:  
Are We Getting Better and Why ?**

Jeff S. Waldstreicher

NOAA/NWS Eastern Region Headquarters, Bohemia, New York

11:45 am

**An Examination of Mesoscale Factors which Influence the Precipitation Distribution of Landfalling Tropical Cyclones**

Alan F. Srock

Department of Earth and Atmospheric Sciences, University at Albany,  
State University of New York, Albany, New York

12:10 pm

**Lunch**

**Session E. Winter Weather/Cool Season  
Session Chair - Jeff Waldstriecher**

1:15 pm

**A Simple Physically Based Snowfall Algorithm**

Daniel K Cobb Jr.

NOAA/NWS, Weather Forecast Office, Caribou, Maine

1:40 pm

**The Effects of Climate Variability on Buffalo, New York Winters**

Robert Hamilton

NOAA/NWS, Weather Forecast Office, Buffalo, New York

2:05 pm

**A Long-Lived Intense Continental-Scale Front:  
28 February-4 March 1972**

Lance F. Bosart

Department of Earth and Atmospheric Sciences, University at Albany,  
State University of New York, Albany, New York

2:30 pm

**Break**

**Session F. Hudson Valley Ambient Meteorology Study  
(HVAMS) Projects**

**Session Chair - Ingrid A. Amberger**

3:00 pm

**Remarks by Session Chair**

3:10 pm

**Convective Boundary Layer Structure in the Hudson Valley**

Jeffrey M. Freedman

Atmospheric Information Services, Albany, New York

3:25 pm

**Rain Shadows in the Hudson Valley**

Jeffrey M. Freedman

Atmospheric Information Services, Albany, New York

3:40 pm

**The Hudson Valley Ambient Meteorology Study ("HVAMS")**

**An Investigation of the Diurnal Evolution of Local Circulations**

Jeffrey M. Freedman

Atmospheric Information Services, Albany, New York

3:55 pm

**Evening and Nocturnal Winds in the Hudson Valley**

David R. Fitzjarrald

Atmospheric Sciences Research Center, University at Albany, State

University of New York, Albany, New York

4:20 pm

**Spatial and Seasonal Changes in Watershed Response to Rainfall Events  
in the Catskill - Hudson Valley Region**

Matthew J. Czikowsky

Atmospheric Sciences Research Center, University at Albany, State

University of New York, Albany, New York

4:45 pm

**Closing Remarks**

Warren R. Snyder

4:55 pm

**Adjourn**

**NROW 7 will be held November 1-3, 2005**